

Fig.1

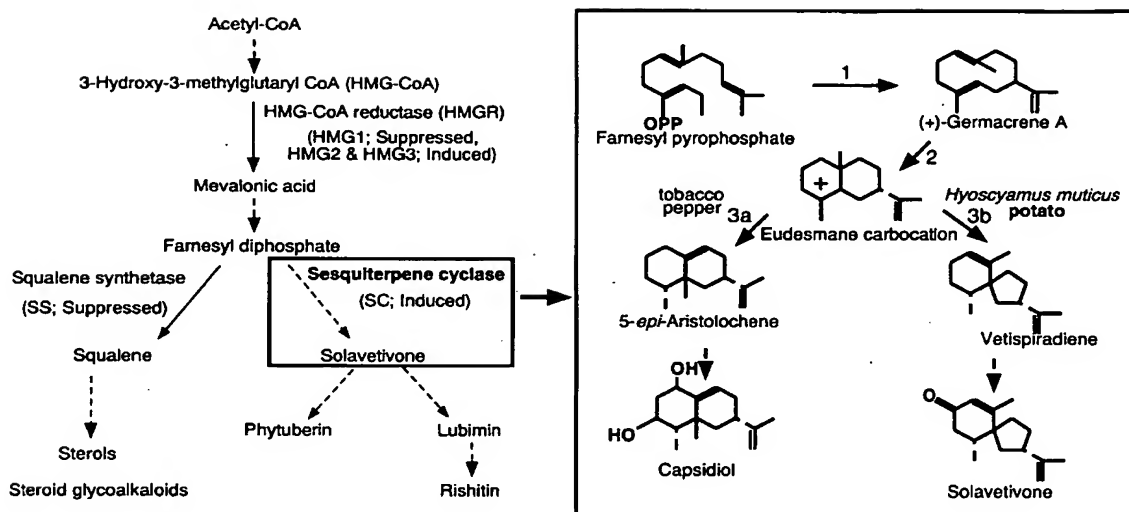
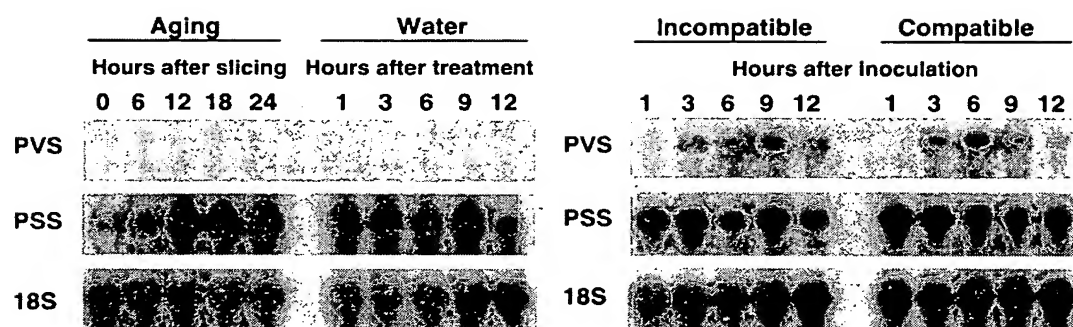


Fig.2

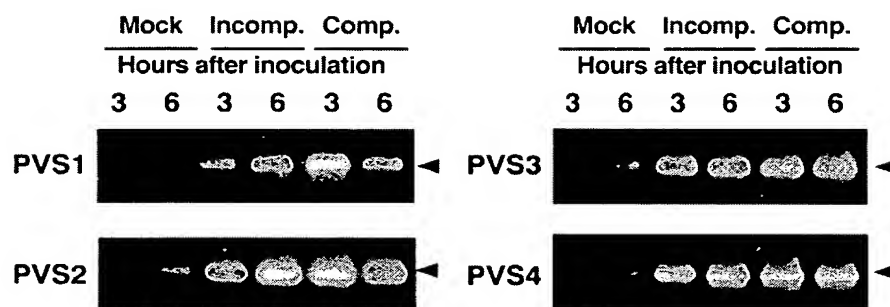


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Fig.3

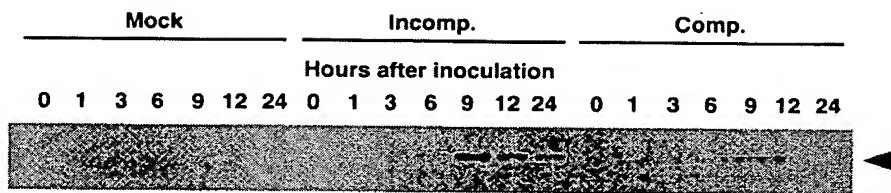


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Fig.4

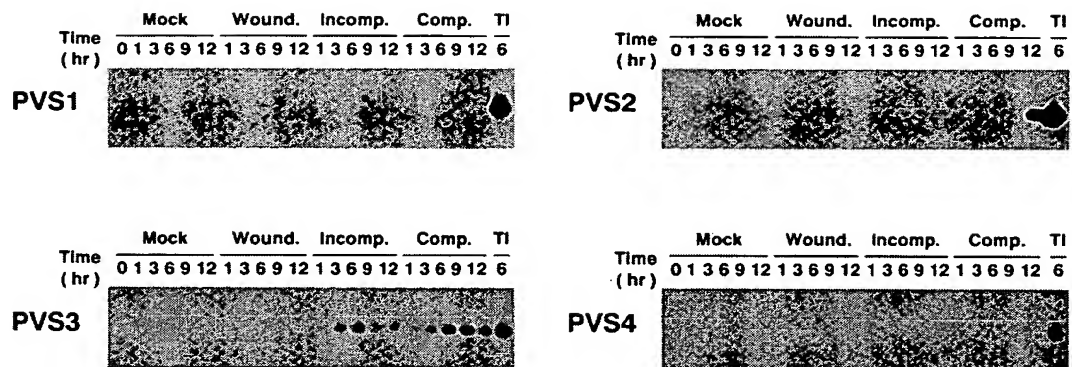


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Fig.5



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Fig. 6

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713 TCATCTTGAGTCTGCAGCTCCACATTTGGAGTCACCTCTGAGTAAGCAAGTGACTCATGC 772
178 H L E S A A P H L E S P L S K Q V T H A 197

```

Fig. 7

| | | |
|------|---|------|
| 773 | CCTTGAGCAGTCTCTCCATAAGAGCATTCCAAGAGTCGAGACGCGCTACTTCATCTCCAT | 832 |
| 198 | L E Q S L H K S I P R V E T R Y F I S I | 217 |
| 833 | CTACGAAGAGGAGGAATTTAAGAATGATGTGTGCTTCGATTTGCCAAATTGGATTACAA | 892 |
| 218 | Y E E E E F K N D V L L R F A K L D Y N | 237 |
| 893 | CTTACTCCAGATGTTGCACAAACACGAACCTTAGTGAAGTATCAAGgtatacagatgtgtt | 952 |
| 238 | L L Q M L H K H E L S E V S R | 252 |
| 953 | aagttgaattaaaaataactagatataaattatttgtttagtagtaatttctaagattggtac | 1012 |
| 1013 | ttatattttagtagGTGGTGGAAAGATTGGATTTTGTGACACGCTTCCATATGCTAGGGAT | 1072 |
| 253 | W W K D L D F V T T L P Y A R D | 268 |
| 1073 | AGAGCAGTGAATGTTACTTTTGGACGATGGGAGTGTATGCTGAACCTCAATACTCTCAG | 1132 |
| 269 | R A V E C Y F W T M G V Y A E P Q Y S Q | 288 |
| 1133 | GCTCGTGTCTCCTTGCAGACTATAGCAATGATTTGATAGTAGATGACACATTCGAT | 1192 |
| 289 | A R V I L A K T I A M I S I V D D T F D | 308 |
| 1193 | GCTTATGGAATAGTAAAGAACTTGAGGTCTACACCGATGCCATACAAAGgtatggactt | 1252 |
| 309 | A Y G I V K E L E V Y T D A I Q R | 325 |
| 1253 | gcctctccaacagttcatggatttatttagacgggaaacttactaaatctcttctgtttt | 1312 |
| 1313 | attagGTGGATATTAGTCAAATTGATCGACTCCAGAAATACATGAAAGTTAGTTTAAAG | 1372 |
| 326 | W D I S Q I D R L P E Y M K V S F K | 343 |
| 1373 | GCTCTTTTGGATCTCTATGAAGATTATGAAAAGGAGTTGTCAAAGGATGGCAGATCCGAT | 1432 |
| 344 | A L L D L Y E D Y E K E L S K D G R S D | 363 |
| 1433 | GTGTCCACTACGAAAAGAAAGataggactcactgatttctattttaaacaacttgta | 1492 |
| 364 | V V H Y A K E R | 371 |
| 1493 | tttaccttatactatttctttattatacaatttagatctgttatgggagtattgatggttg | 1552 |
| 1553 | aatgtcttgtggtttctgttaaacagATGAAGGAGATTGTGAGAACTATTTTGTAGAAG | 1612 |
| 372 | M K E I V R N Y F V E | 382 |
| 1613 | CAAAGTGGTTCATTGAGGGATATATGCCGCCTGTTTCTGAGTATCTTAGCAATGCATTAG | 1672 |
| 383 | A K W F I E G Y M P P V S E Y L S N A L | 402 |
| 1673 | CTACCAGCACATATTACTTGCTAACTACAACATCCTATTGGGAGTGAAGTCAGCAACAA | 1732 |
| 403 | A T S T Y Y L L T T T S Y L G V K S A T | 422 |
| 1733 | AGGAAGATTTTGAATGGTTGGCTACGAACCCCTAAAATTCTTGAAGCCAATGTGACATTAT | 1792 |
| 423 | K E D F E W L A T N P K I L E A N V T L | 442 |
| 1793 | GCCGAGTTGTTGATGACATAGCAACGTATGAGgtaattagcatcgattacactacataa | 1852 |
| 443 | C R V V D D I A T Y E | 453 |
| 1853 | atcatcttataatttagagttacagtaatttaatacaaatgatttcacatacttataaa | 1912 |
| 1913 | tgaattataaattgccattccagGTTGAGAAGGGTAGGGGCCAAATCGCAACAGGAATTGA | 1972 |
| 454 | V E K G R G Q I A T G I E | 466 |
| 1973 | GTGTTATATGAGGGATTATGACGTATCAACAGAAGTAGCAATGGAAAAATTCCAAGAGAT | 2032 |
| 467 | C Y M R D Y D V S T E V A M E K F Q E M | 486 |
| 2033 | GGCTGAGATAGCATGGAAGGATGTAATGAAGGAATTCTTCGACCAACACCTGTCTCTAC | 2092 |
| 487 | A E I A W K D V N E G I L R P T P V S T | 506 |
| 2093 | AGAAATCTTACTCGCATTCTCAATCTTGCTCGTATTATAGATGTCACTTACAAGCACAA | 2152 |
| 507 | E I L T R I L N L A R I I D V T Y K H N | 526 |
| 2153 | TCAAGATGGATACACTCATCCGAAAAAGTTCTAAAACCTCACATCATTGCTTTACTGGT | 2212 |
| 527 | Q D G Y T H P E K V L K P H I I A L L V | 546 |
| 2213 | GGACTCCATTGAGATCtaaaaatttagtaaattttaatttttaaatgttacgtaaaaaa | 2272 |
| 547 | D S I E I * | 551 |
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| 2333 | agaatggatgatggaaaatagatgaatatattgttatgcatgaagggtgtttcacactct | 2392 |
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| 2453 | gcaagccacggccgatgctgggacggccacggatgacggtgtgtgcagtcgaagggcgat | 2512 |
| 2513 | gctggccagggccacggcgatgtcgactgacggtgtgtgcagtcgaagggcgatgctggg | 2572 |
| 2573 | aggccacgtccgacgt | 2588 |

Fig. 8

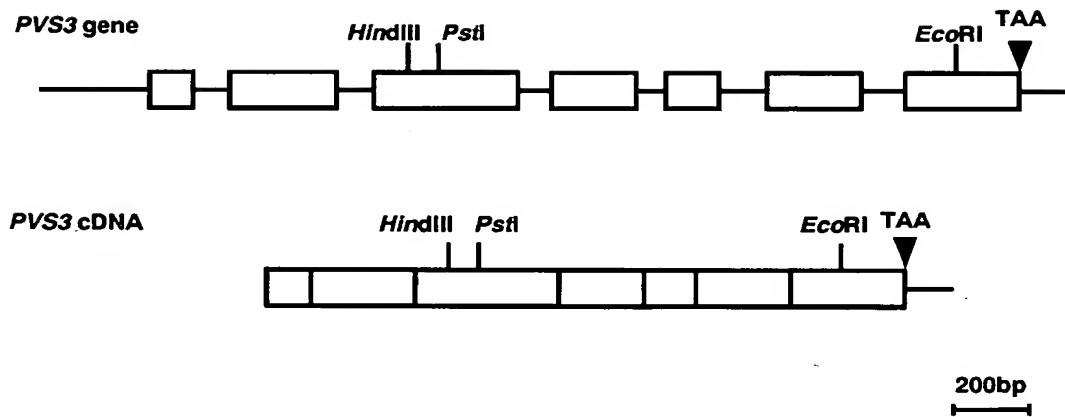


Fig. 9

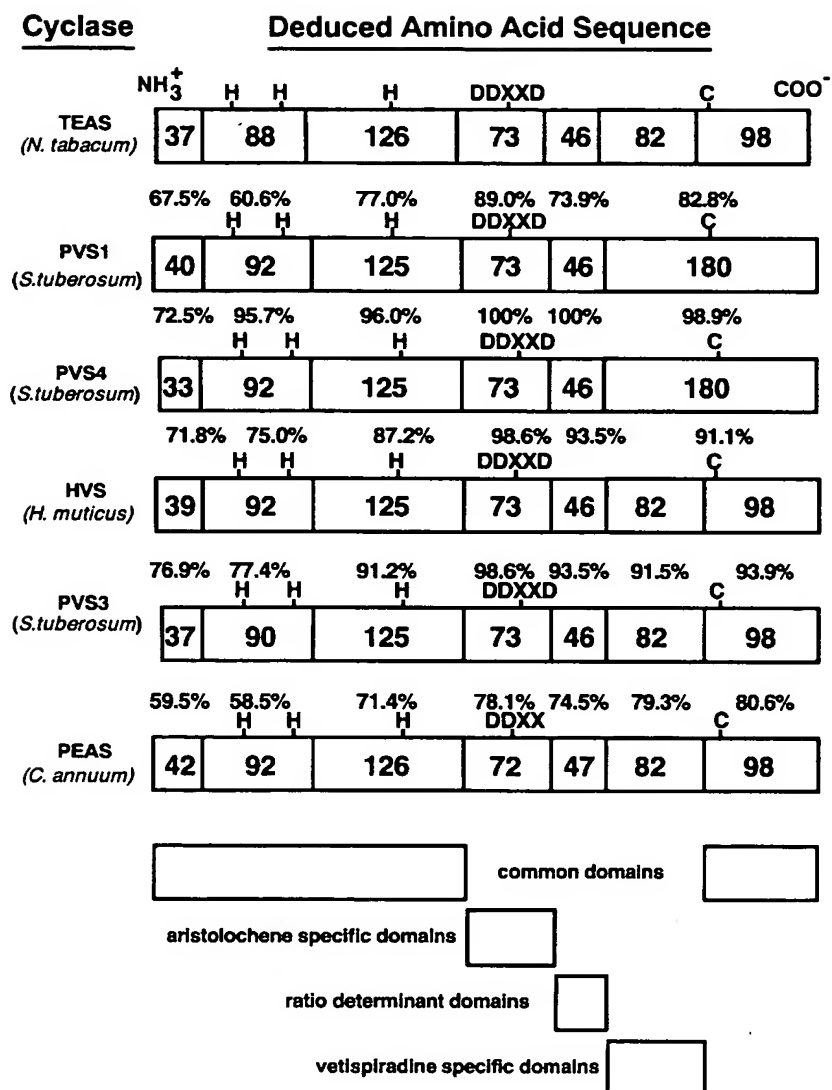


Fig. 1 0

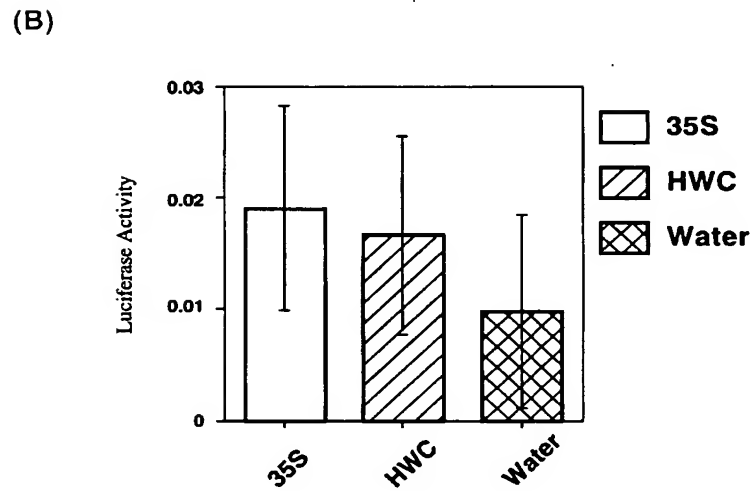
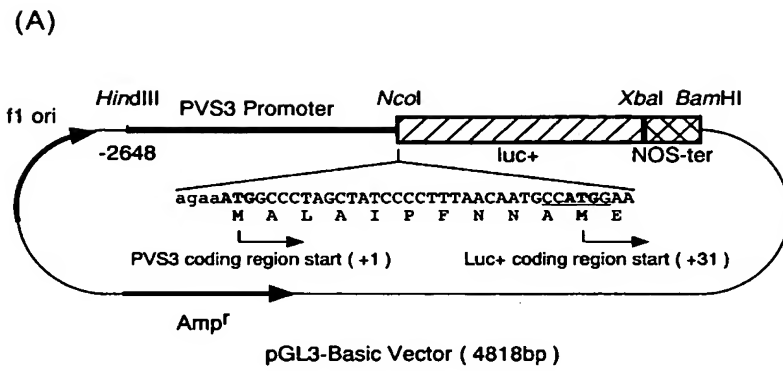


Fig. 1 1

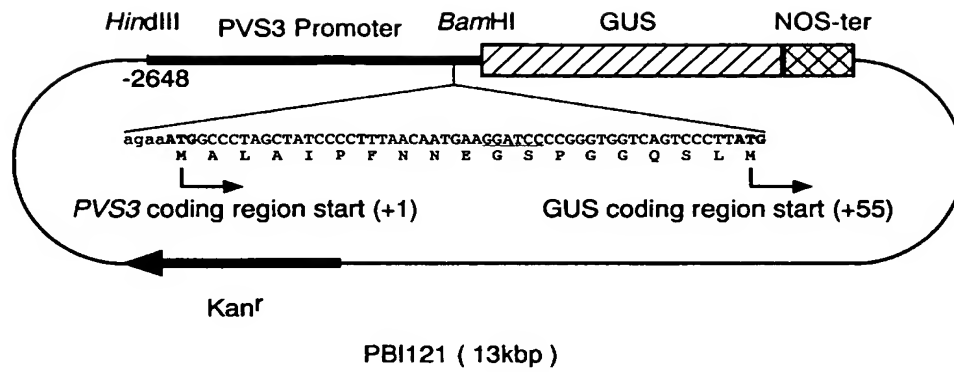
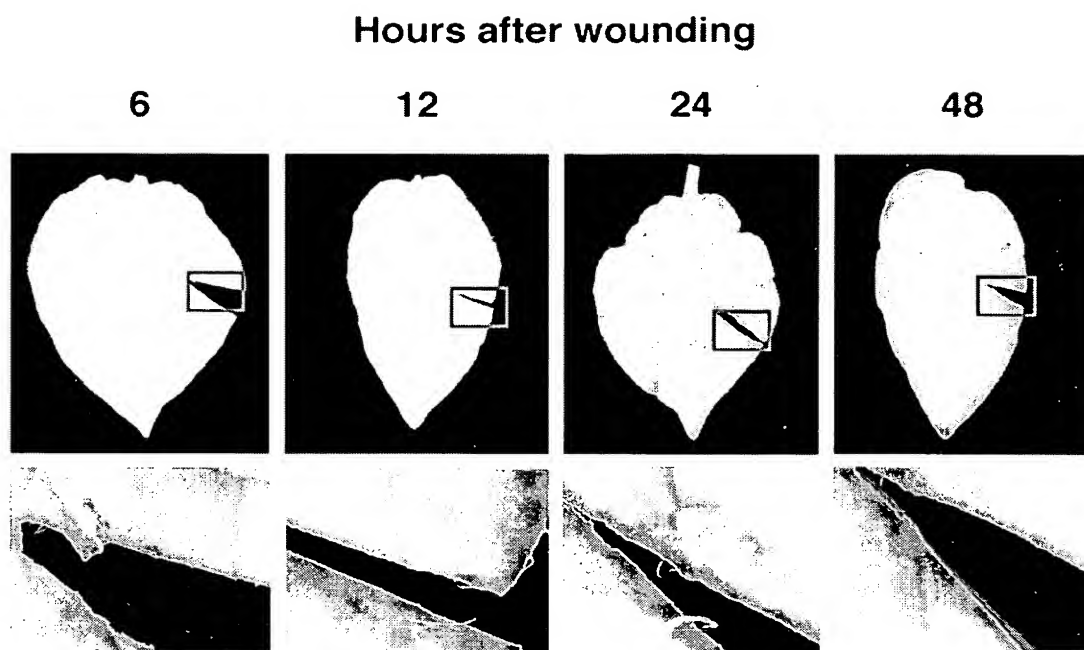
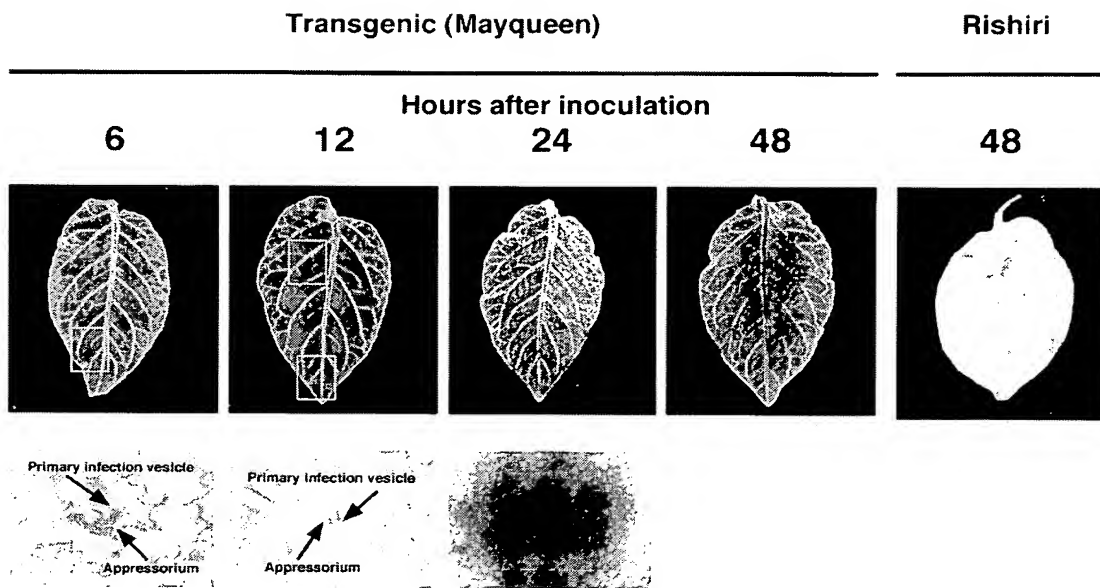


Fig. 1 2



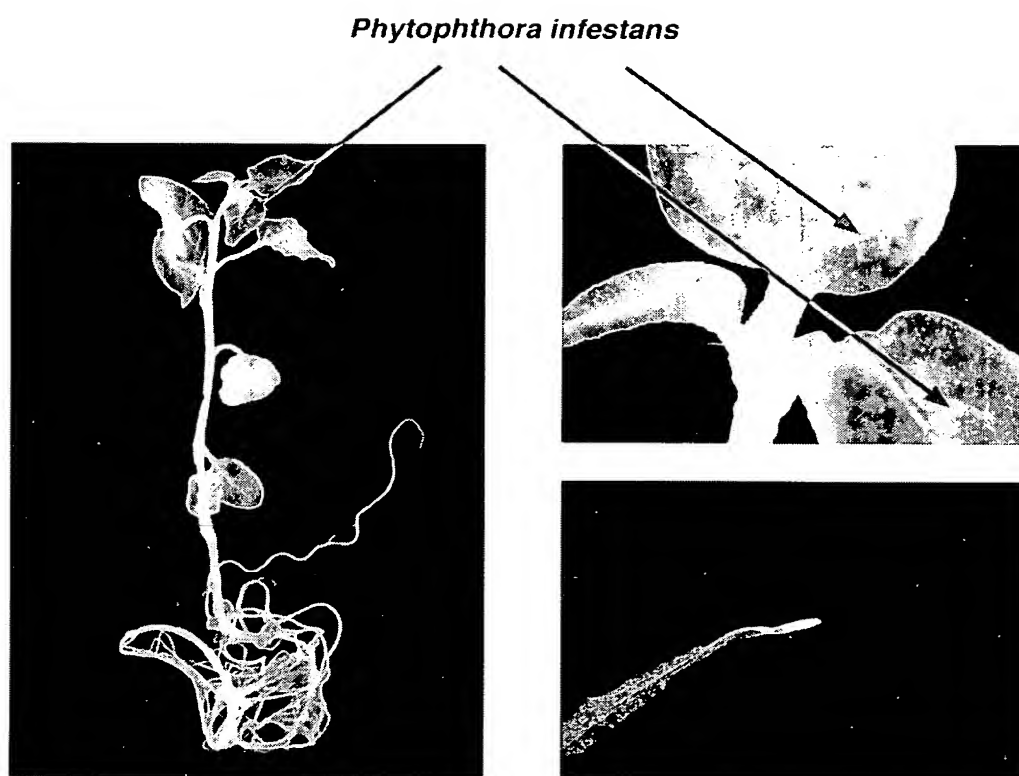
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Fig. 1 3



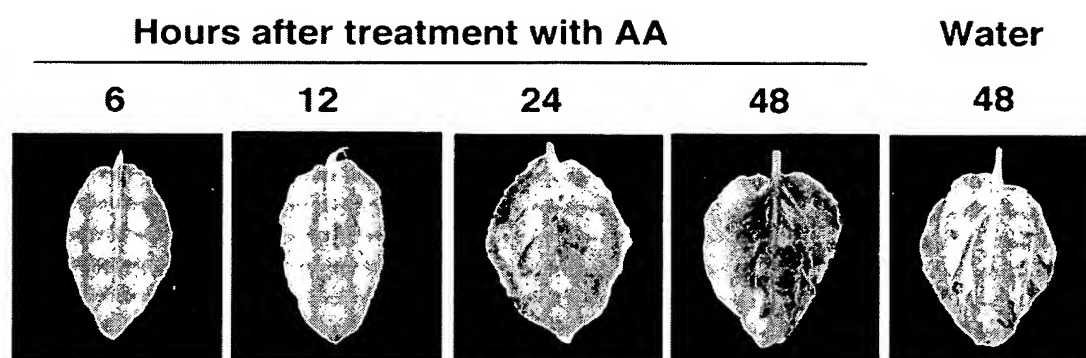
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Fig. 1 4



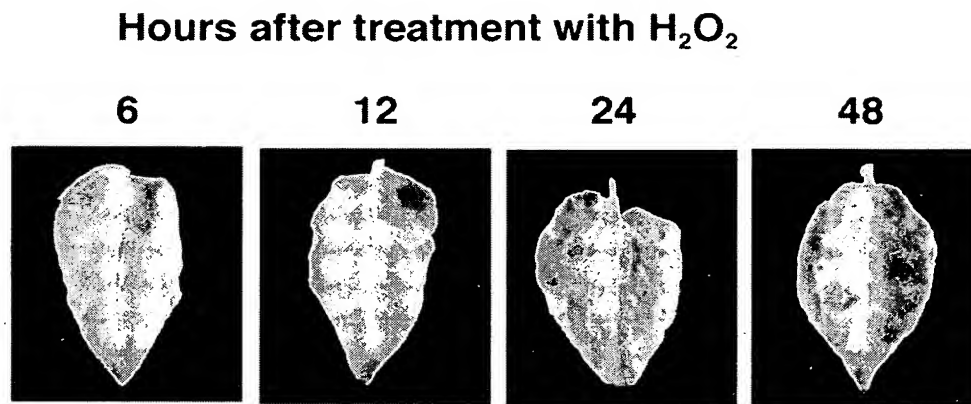
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Fig. 1 5



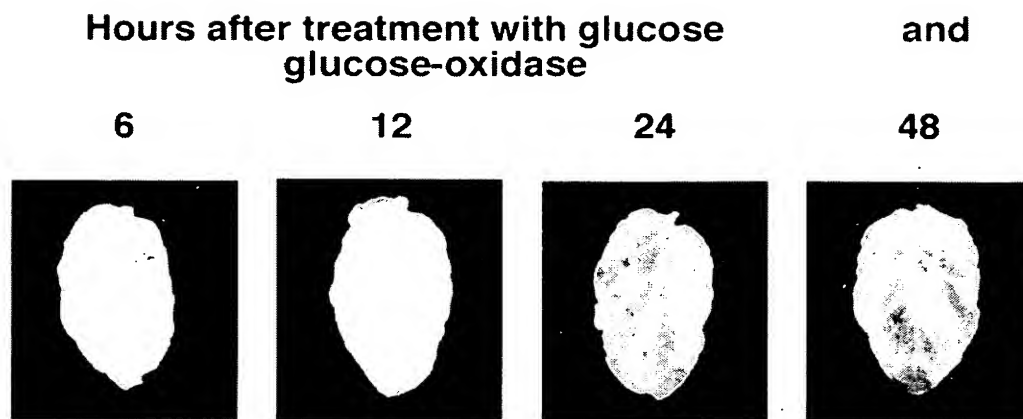
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Fig. 1 6



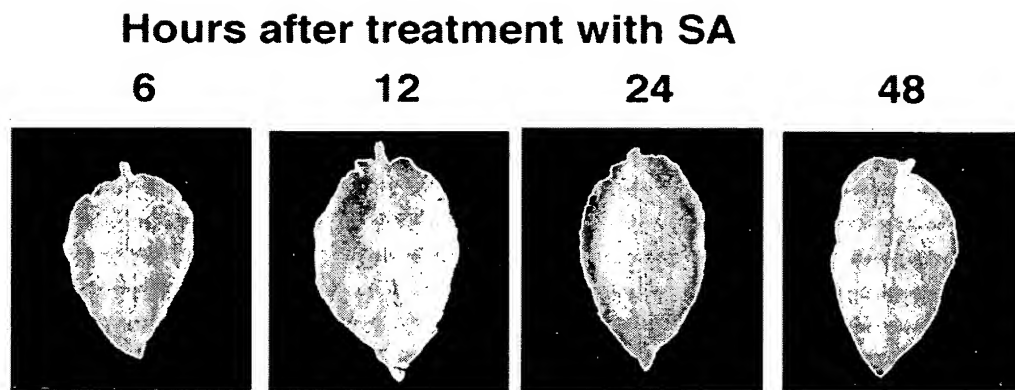
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Fig. 1 7



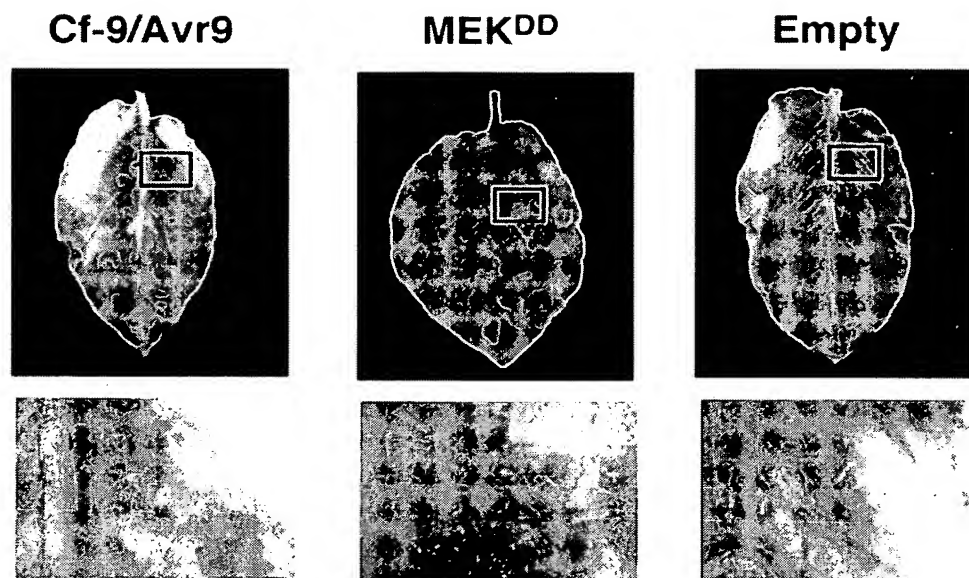
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Fig. 1 8



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Fig. 1 9



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Fig. 2 0

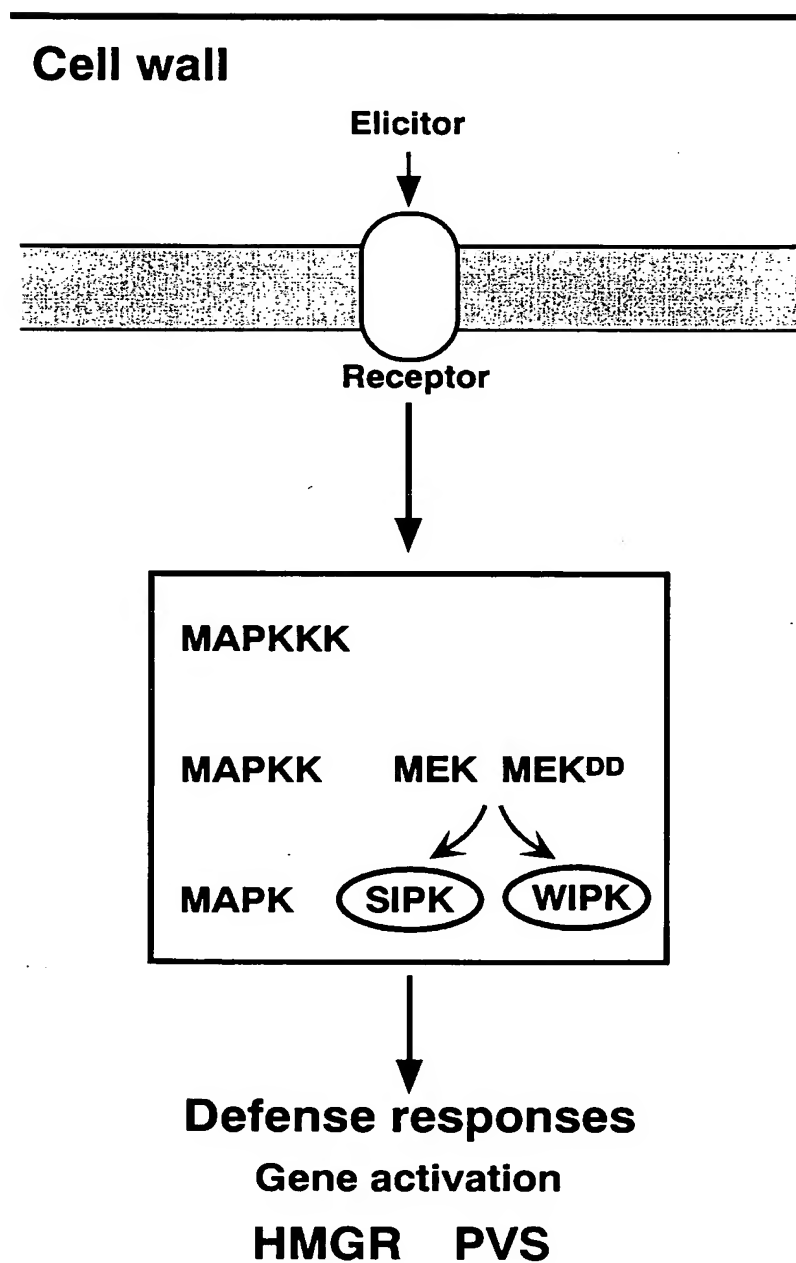


Fig. 2 1

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Fig. 2 2

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Fig. 2 3

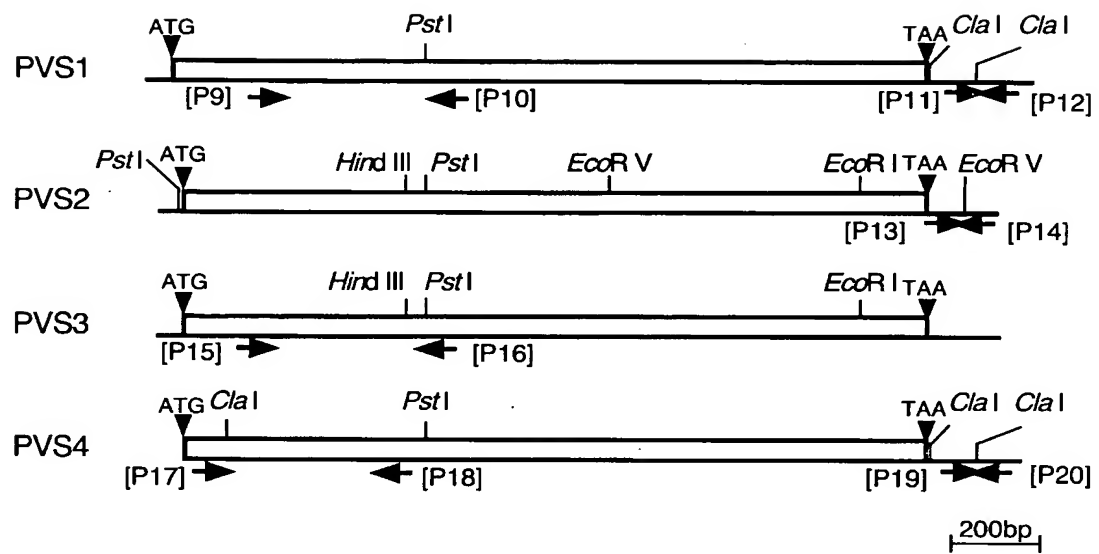


Fig. 2 4

| Name | Primer sequence |
|--------------------|--|
| PVS3-1 (-2334) : F | 5'-CGGAATTCCTTGTAAATCCTTATTTAGGATTA-3' SEQ ID NO: 25 |
| PVS3-2 (-1337) : F | 5'-CGGAATTCGTCCGCCCTTACTATTCCCATC-3' SEQ ID NO: 26 |
| PVS3-3 (-1287) : F | 5'-CGGAATTCCTTTATAATAGTGCACTCATGCT-3' SEQ ID NO: 27 |
| PVS3-4 (-1237) : F | 5'-CGGAATTCGCTATATTTTTCAAGTTGAAG-3' SEQ ID NO: 28 |
| PVS3-5 (-1187) : F | 5'-CGGAATTCGACGCCATTGAAGGAAGAAAAA-3' SEQ ID NO: 29 |
| PVS3-6 (-1137) : F | 5'-CGGAATTCACCTTCTTGGTCCCTTCGAGGC-3' SEQ ID NO: 30 |
| PVS3-7 (-1087) : F | 5'-CGGAATTCACAAAAAAGACAGACGGT-3' SEQ ID NO: 31 |
| PVS3-8 (-836) : F | 5'-CGGAATTCGTTATATAGTTTTAAAAAAA-3' SEQ ID NO: 32 |
| PVS3-9 (-584) : F | 5'-CGGAATTCGATTTATAACACGATGCGGGTG-3' SEQ ID NO: 33 |
| PVS3-10 (-332) : F | 5'-CGGAATTCCTTACTATATATTAAGTCCAC-3' SEQ ID NO: 34 |
| PVS3 : R | 5'-CCATCGATTCCTCTTCATTGTTAAAGGGGA-3' SEQ ID NO: 35 |

Fig. 2 5

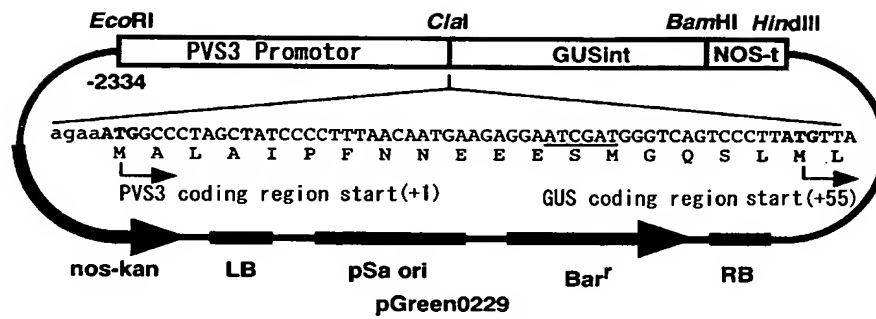
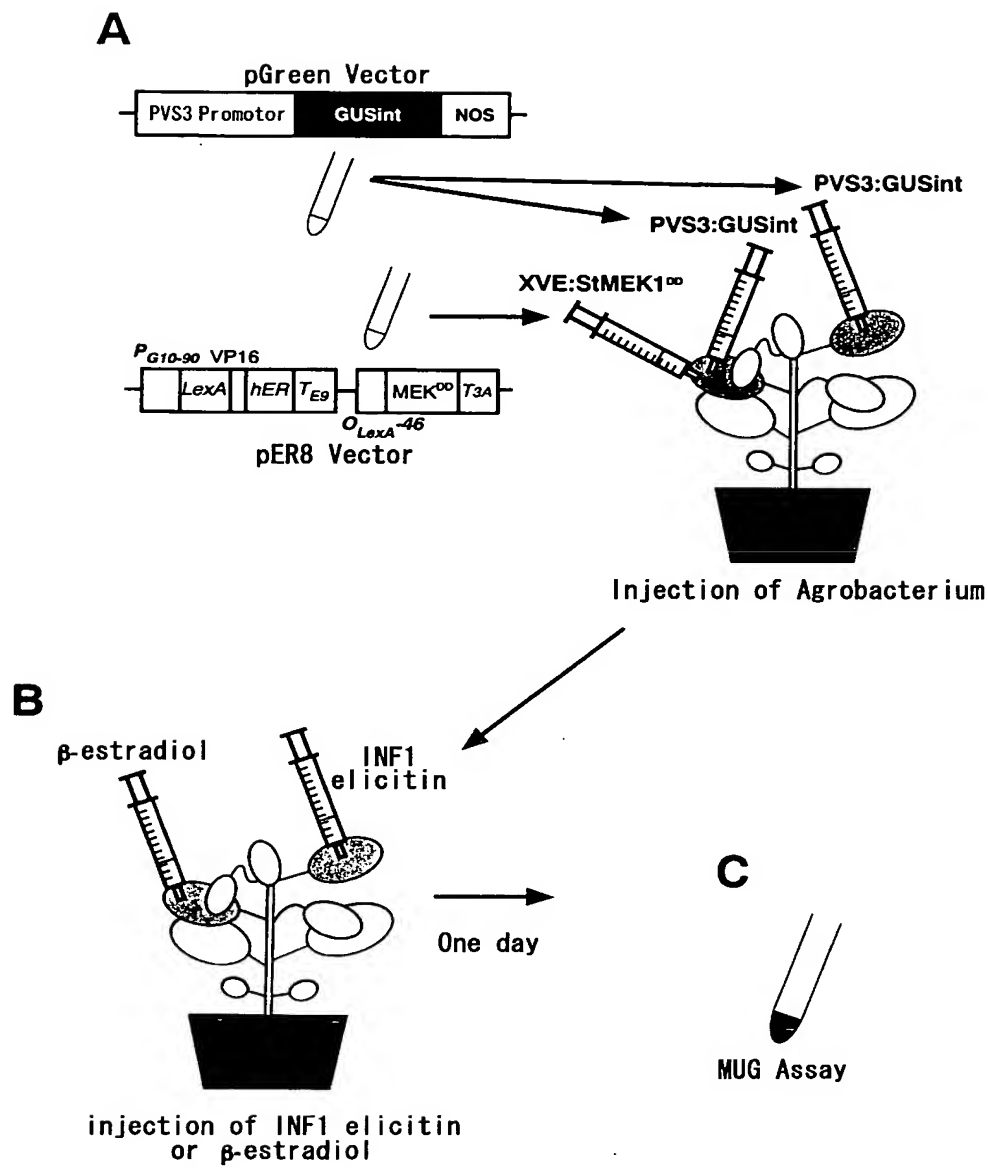


Fig. 2 6



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Fig. 2 7

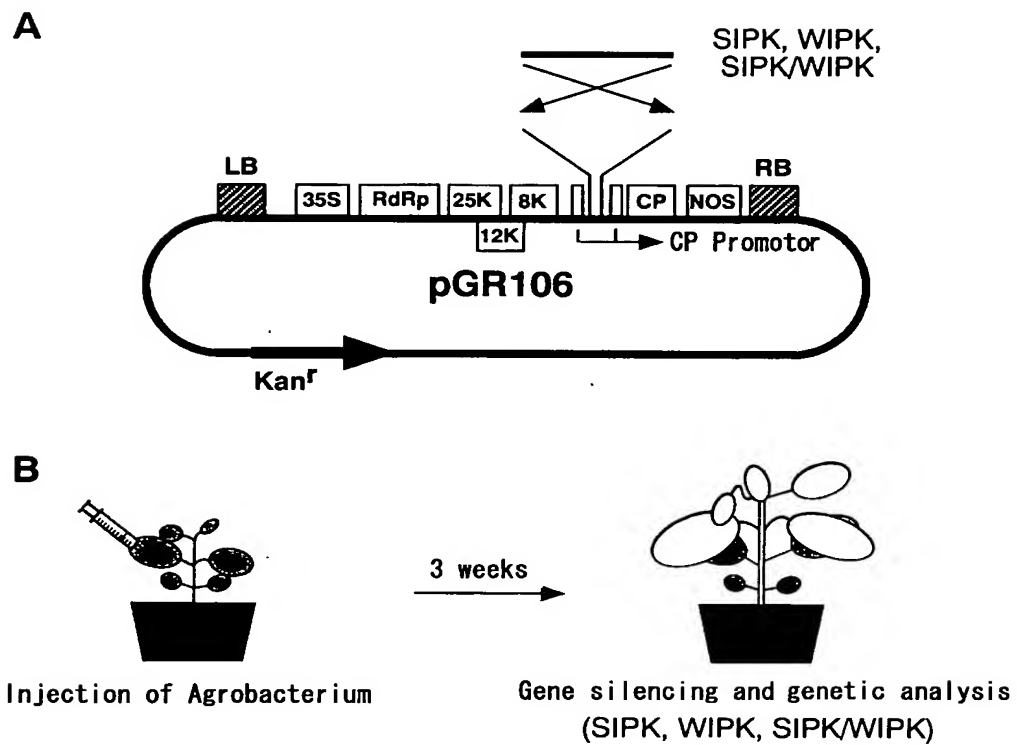


Fig. 2 8

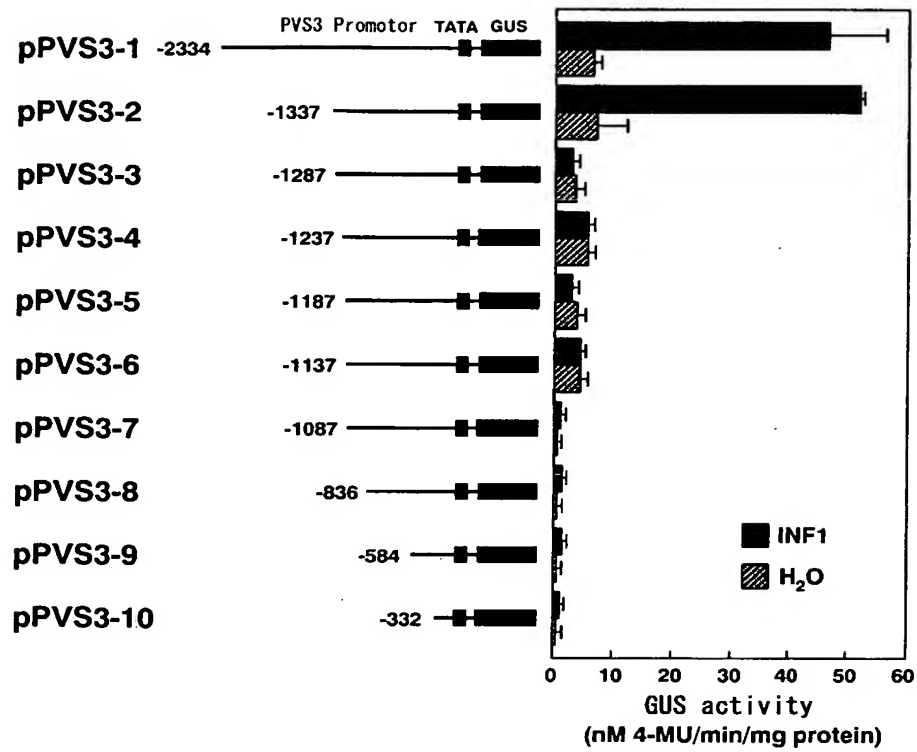


Fig. 2 9

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Fig. 3 0

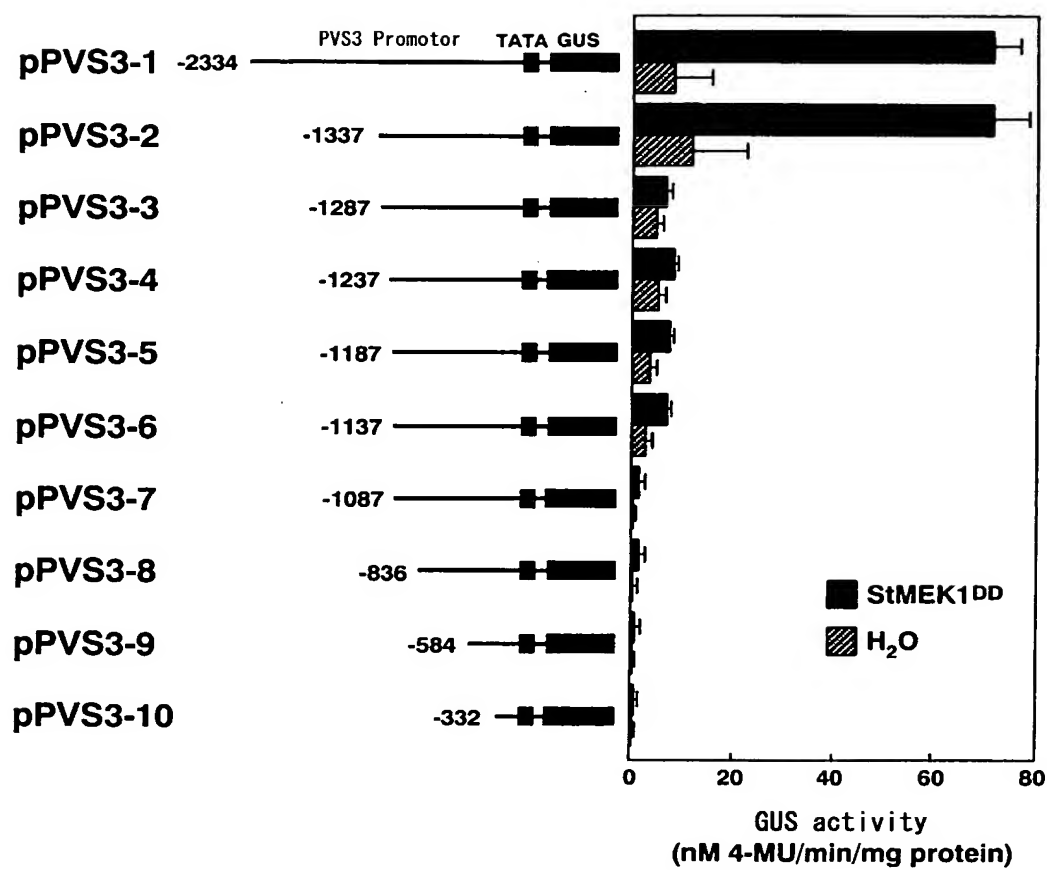


Fig. 3 1

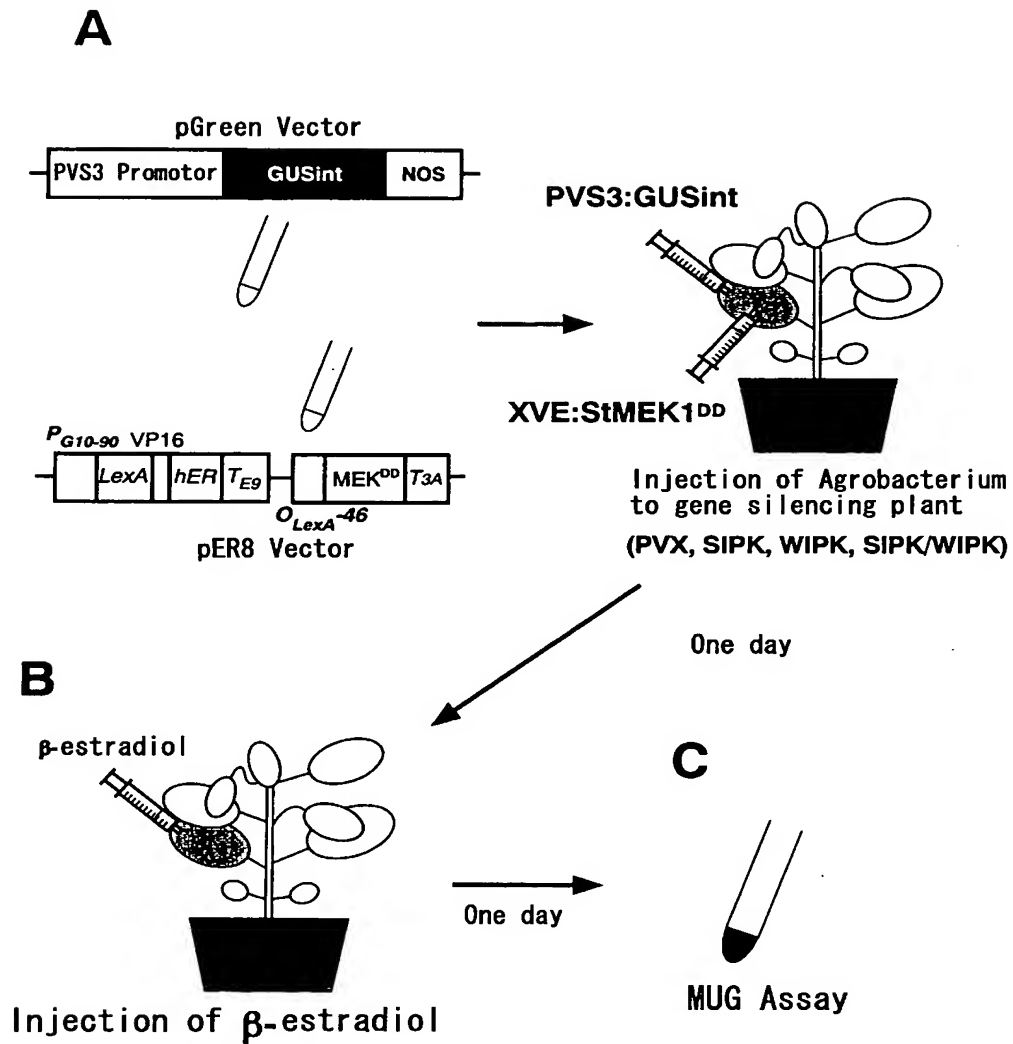
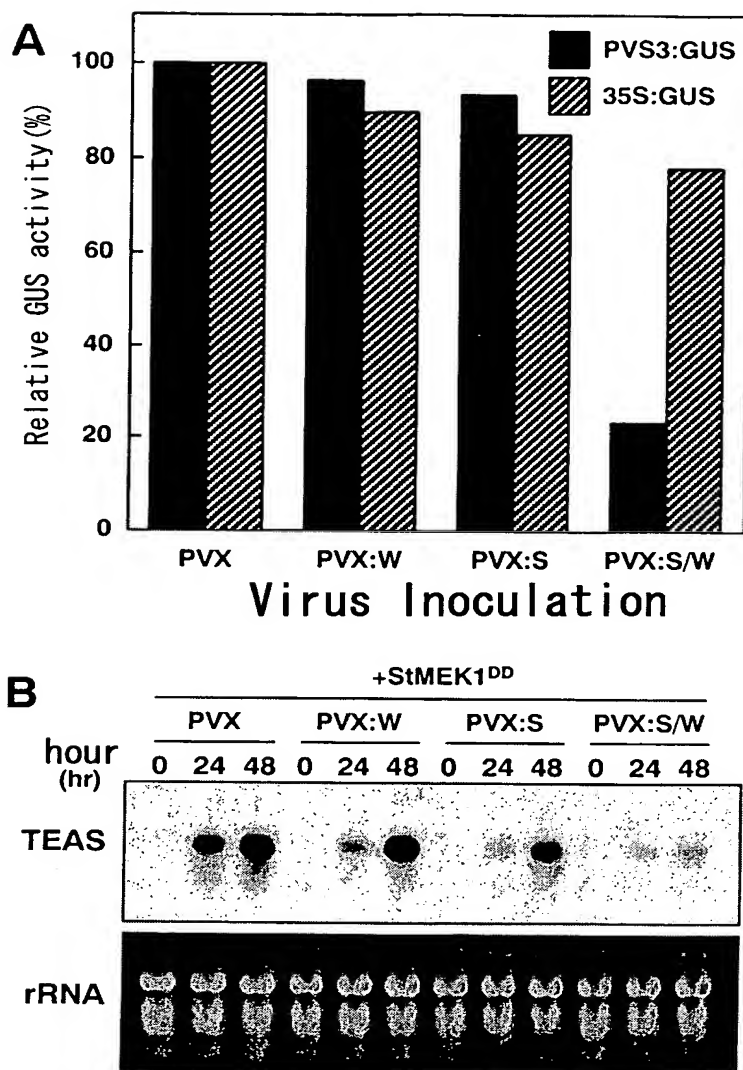


Fig. 3 2



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